

# UNIT 4 - Energy Transfer in Natural Systems

Chapter 10 → Kinetic molecular theory explains the transfer of thermal energy

↳ investigating transfer of thermal energy

↳ understand how the atmosphere captures and transports thermal energy to sustain life on earth

→ Thermal energy & heat transfer determine all aspects of atmospheric circulation & weather control

→ Thermal energy - total energy in a system  
if thermal energy did not exist  
it would be 0°K on earth or  
-273°C